

HIGH PRESSURE PARALLEL REACTOR

ABSTRACT OF THE DISCLOSURE

5 An apparatus for use in parallel reaction of materials. The apparatus includes a base having a plurality of reaction wells, each of the reaction wells having a closed lower end and open upper end for receiving reactant materials. A cover is configured for sealing engagement with the base to form a housing enclosing the plurality of reaction wells and defining a common pressure chamber in communication with the reaction wells. The apparatus further includes an inlet port in communication with the pressure chamber for supplying pressurized fluid to the chamber to pressurize the reaction wells. The housing is configured to sustain a pressure substantially above atmospheric pressure.

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